

### Fort Stewardship Road Reconstruction – Description of Work

Road 6210 and 6210020 are scheduled for reconstruction prior to haul of timber products. Total project length is 1225 feet: Road 6210 = 1000 ft, Road 6210020 = 225 ft. Work includes roadside clearing, roadway and drainage excavation, culvert replacement, and furnishing and placing crushed aggregate surfacing and construction of drainage. The Forest Service will lay out clearing limits and work item locations. See the Schedule of Items and Contract Plans for quantities, dimensions, and details of work to be performed. All materials are Contractor-provided.

Standard and Supplemental Specifications for FP-03 shown in the specification listing contained in the attachments are applicable to this contract. All specifications not included in the specification listing but referenced by listed specifications, are applicable. The Supplemental Specifications shown on the specification list are physically attached.

**Fort Stewardship Specified Road Construction  
Schedule of Items**

**ROAD 6210**

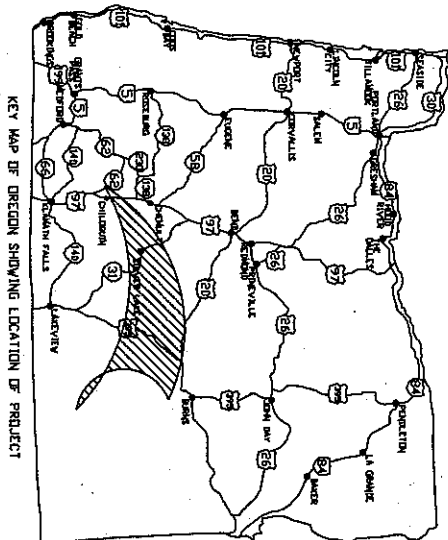
| ITEM NO.  | DESCRIPTION   | NOTE | PAY UNIT | EST. QTY. | UNIT PRICE | TOTAL PRICE       |
|---|---|------|----------|-----------|------------|-------------------|
| 15101   | Mobilization  | *    | L.S.     | All       | 1500.00    | 1500.00           |
| 20452   | Roadway excavation, compaction method B, finishing method B | *    | L.S.     | All       | 900.00     | 900.00            |
| 32452   | Aggregate base, State of Oregon DOT, compaction method B    | *    | C.Y.     | 200       | 30.00      | 6000.00           |
| 60211   | 18 inch corrugated steel pipe, 0.064 inch thickness         |      | Ft.      | 30        | 50.00      | 1500.00           |
| <b>Total</b>  |   |      |          |           |            | <b>\$9,900.00</b> |
| NOTE: Asterisk (*) indicates payment will be made on contract quantities. |   |      |          |           |            |                   |

**ROAD 6210020**

| ITEM NO.  | DESCRIPTION   | NOTE | PAY UNIT | EST. QTY. | UNIT PRICE | TOTAL PRICE     |
|---|---|------|----------|-----------|------------|-----------------|
| 20452   | Roadway excavation, compaction method B, finishing method B | *    | L.S.     | All       | 425.00     | 425.00          |
| <b>Total</b>  |   |      |          |           |            | <b>\$425.00</b> |
| NOTE: Asterisk (*) indicates payment will be made on contract quantities. |   |      |          |           |            |                 |

Approved: /s/ Dennis J. Scott, REALM Staff

Date: June 24, 2013



KEY MAP OF OREGON SHOWING LOCATION OF PROJECT



UNITED STATES DEPARTMENT OF AGRICULTURE  
FOREST SERVICE - REGION SIX  
FREMONT-WINEMA NATIONAL FORESTS  
CHILDQUIN RANGER DISTRICT



PLANS FOR PROPOSED  
FORT STEWARDSHIP ROAD RECONSTRUCTION

| INDEX TO SHEETS |                              |
|-----------------|------------------------------|
| NO.             | DESCRIPTION                  |
| 1               | TITLE SHEET                  |
| 2               | VICINITY MAP                 |
| 3               | ESTIMATE OF QUANTITIES       |
| 4-5             | PROJECT LAYOUT               |
| 6               | TYPICAL CONSTRUCTION DETAILS |
| 7               | ROAD 6210                    |
|                 | ROAD 6210020                 |

ROAD NO. 6210 LENGTH 1000 FT. CONST./RECONST. RECONST. TYPE OF WORK\* C.G.D.S  
6210020 225 FT. RECONST. C.G.D

- \* TYPE OF WORK
- C - CLEARING
  - G - GRADING
  - D - DRAINAGE
  - S - SURFACING
  - V - VEGETATION

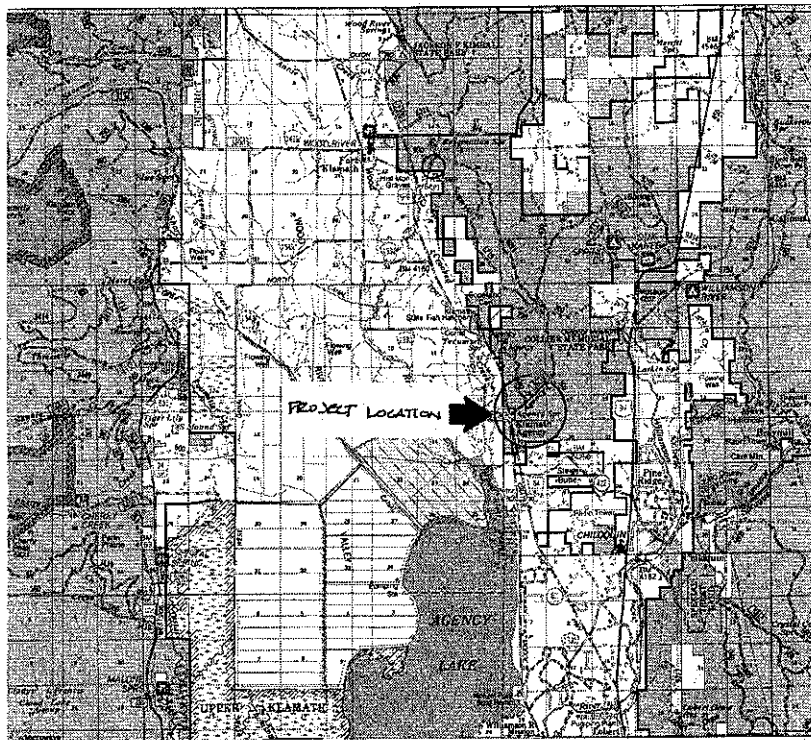
U.S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE  
R-6  
PACIFIC NORTHWEST REGION

Technical Approved By  
/s/ Dennis J. Scott 06/24/13  
Forest Engineer Date

Line Approved By  
/s/ Kelly Lawrence 06/27/13  
District Manager Date

Design /s/ K. Buehler 06/13  
Design /s/ K. Buehler 06/13  
Reviewed /s/ E. Tarbox 06/21/13  
Date

Sheet 1 of 7



NO USFS WATER SOURCE IS AVAILABLE  
FOR ROAD CONSTRUCTION OR MAINTENANCE

SCALE, MILES 

U.S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE  
**R-6**  
PACIFIC NORTHWEST REGION

FORT STEWARDSHIP  
ROAD RECONST.

CHILOQUIN R.D.  
FREMONT-WINEMA NFs

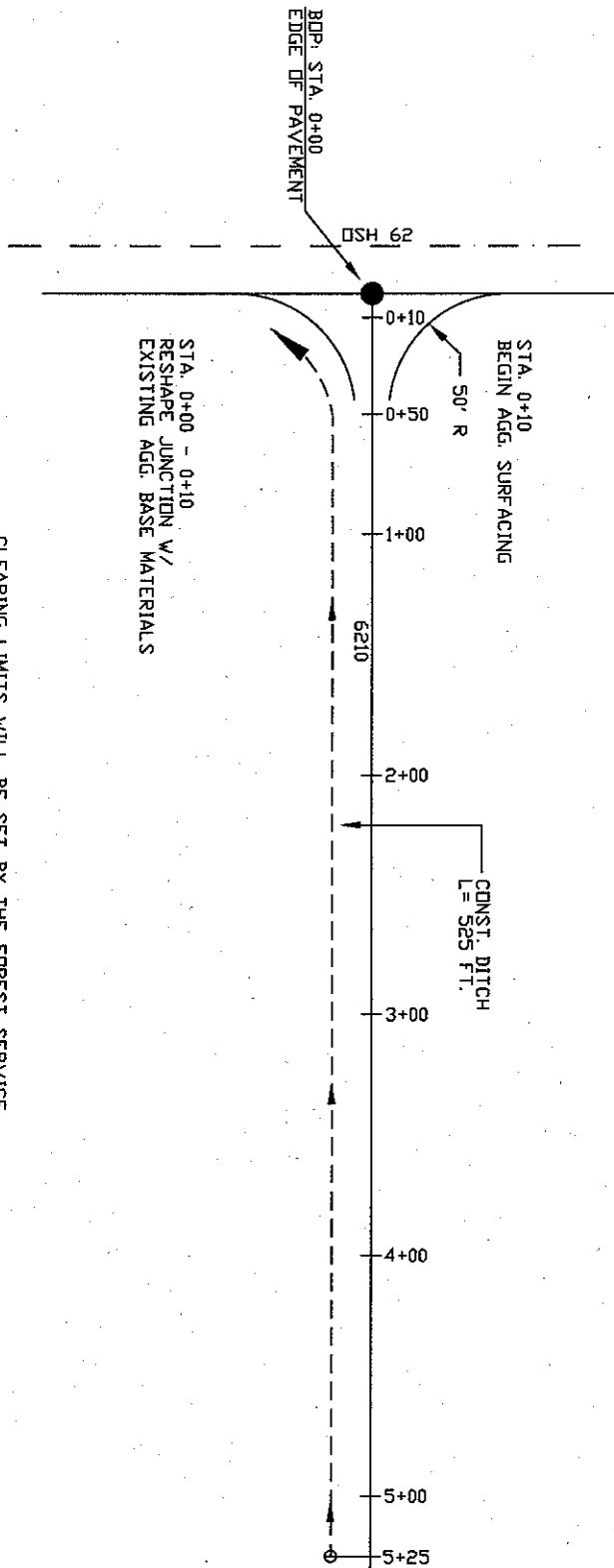
VICINITY MAP

Sheet 2 of 7



NORTH

NOT TO SCALE



CLEARING LIMITS WILL BE SET BY THE FOREST SERVICE  
CLEARING DISPOSAL: SCATTER PER FSSS 20305(f)  
ROAD 6210, HWY 62 TO 6210020: SCATTER BEYOND CLEARING LIMITS ON SOUTH SIDE OF ROADWAY

U.S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE  
R-6  
Pacific Northwest Region

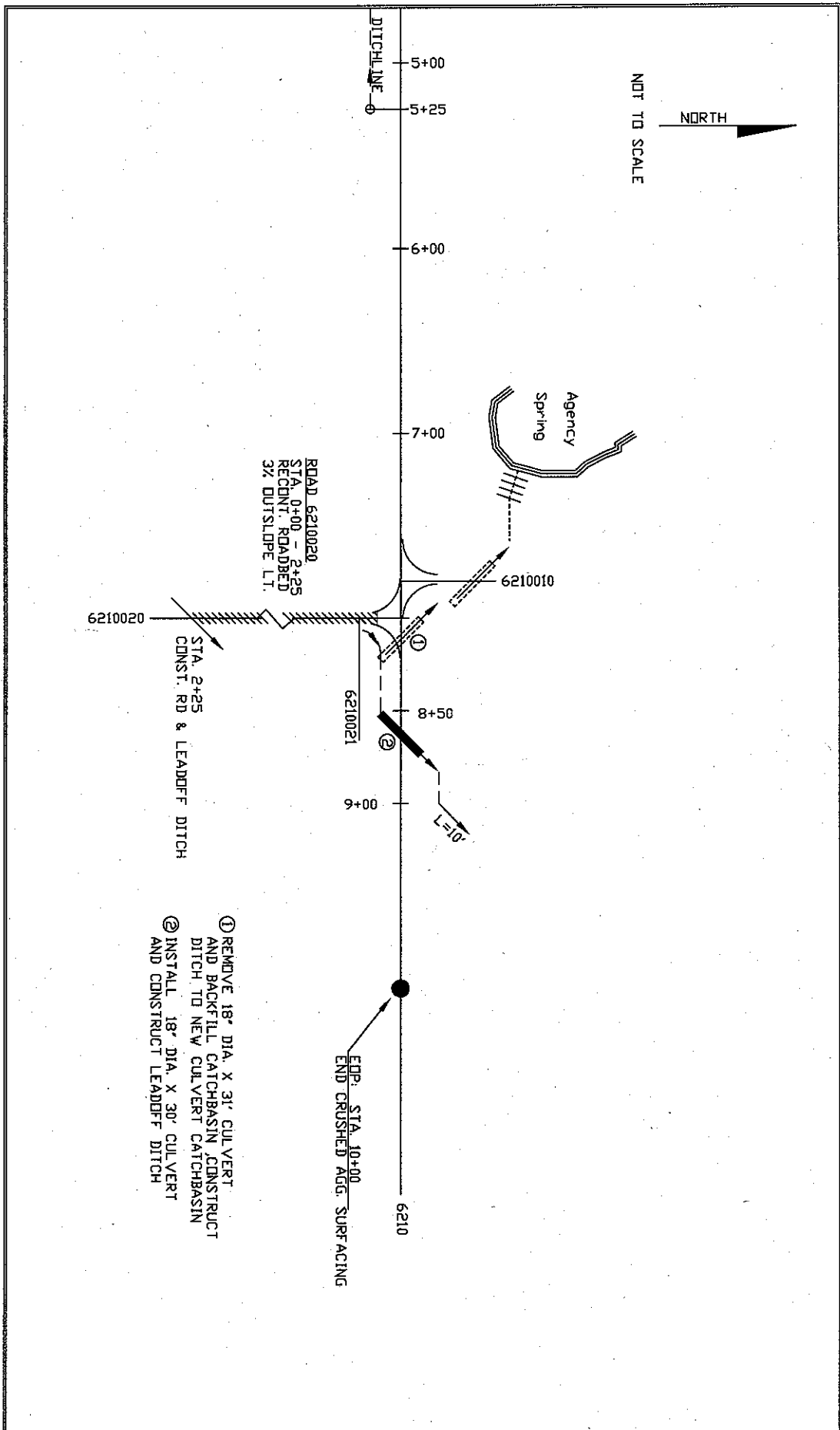
FORT STEWARDSHIP  
ROAD RECONST.

CHILQUIN R.D.  
FREMONT-WINEMA NFS

NOT  
TO  
SCALE

PROJECT LAYOUT

Sheet 4 of 7



# CLEARING AND GRADING

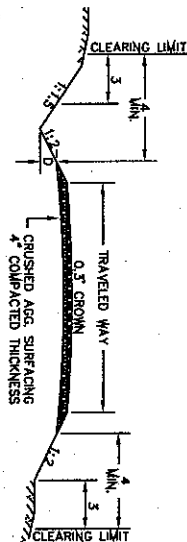
STA. 0+00 - 10+00

## ROAD 6210 TYPICAL CONST. DETAILS

CONSTRUCTION TOLERANCE CLASS: E

# TYPE 3 CULVERT

STA. 8+50



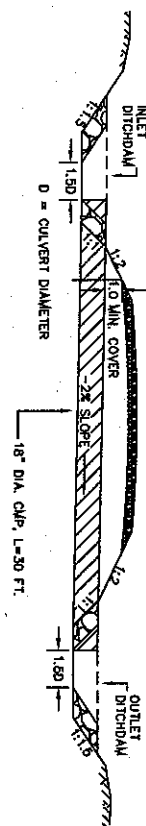
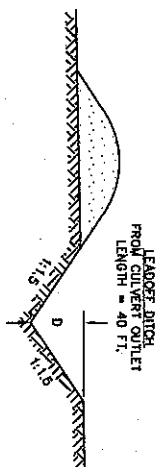
TRAVELED WAY WIDTH  
VARIES DUE TO JUNCTION FLARES

STA. 0+10 - 0+50  
BASIC WIDTH = 20 FT.

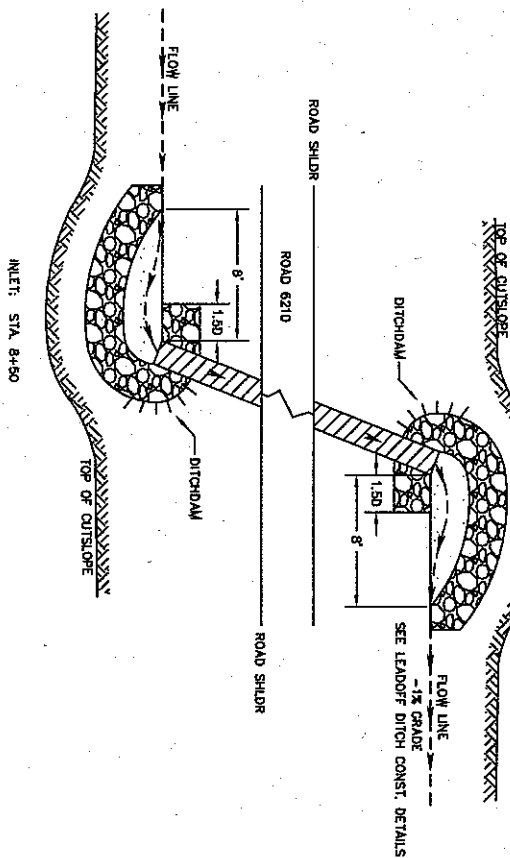
STA. 0+50 - 1+00  
TAPER TO 14 FT. WIDTH

STA. 1+00 - 10+00  
WIDTH = 14 FT.

DITCH DEPTH  
STA. 0+00 - 5+25  
DEPTH = 0.5 FT.  
STA. 8+61 - 9+00  
3.0 FT. (+/- 1% GRADE)



OUTLET: STA. 8+61



ROAD SHOULDER

ROAD 6210

ROAD SHOULDER

U.S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

R-6

PACIFIC NORTHWEST REGION

FORT STEWARDSHIP  
ROAD RECONSTRUCTION

CHILQUIN R.D.  
FREMONT-MINEMA NFS

NOT  
TO  
SCALE

TYPICAL CONST. DETAILS  
ROAD 6210

Sheet 6 of 7

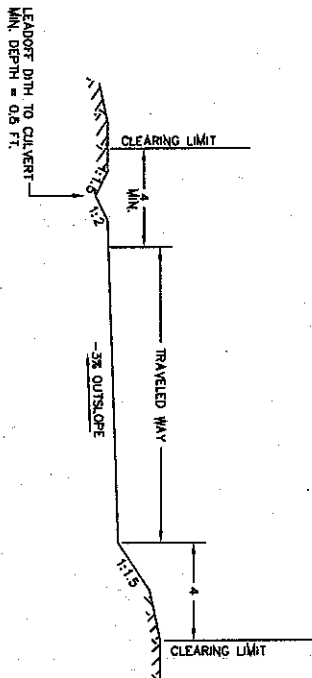


# ROAD 6210020 TYPICAL CONST. DETAILS

CONSTRUCTION TOLERANCE CLASS E

## CLEARING AND GRADING

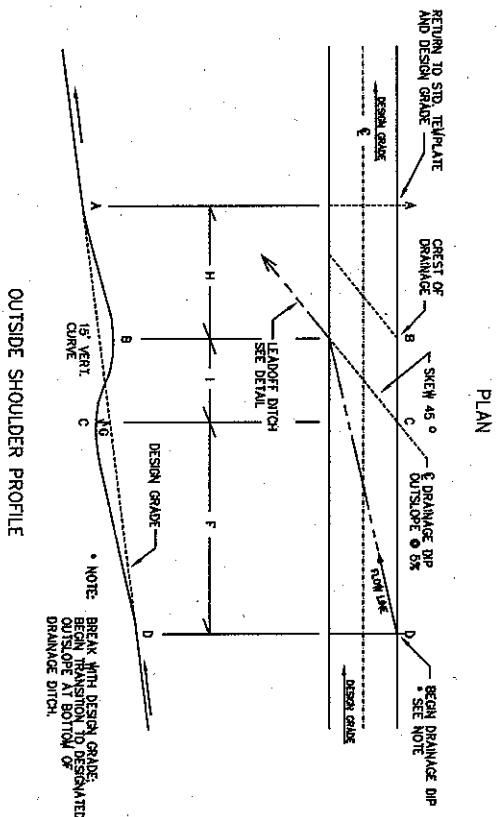
STA. 0+00 - 2+25



TRAVELED WAY WIDTH  
VARIES DUE TO JUNCTION FLARES  
STA. 0+10 - 0+50  
BASIC WIDTH = 12 FT.  
STA. 0+50 - 2+25 WIDTH = 12 FT.

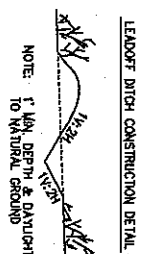
## ROLLING DIP AND LEADOFF DITCH

STA. 2+25



### OUTSIDE SHOULDER PROFILE

| ROLLING DIP DIMENSIONS |     |      |     |     |  |
|------------------------|-----|------|-----|-----|--|
| DESIGN GRADE           | F   | G    | H   | I   |  |
| 5% OR LESS             | 62' | 0.7' | 23' | 15' |  |
| 6%                     | 67' | 0.7' | 25' | 15' |  |
| 7%                     | 72' | 0.7' | 27' | 15' |  |
| 8%                     | 77' | 0.7' | 28' | 15' |  |
| 9%                     | 82' | 0.7' | 31' | 20' |  |
| 10%                    | 87' | 0.7' | 33' | 20' |  |



## FP-03 SPECIFICATIONS LIST

| Standard Specification for Construction of Roads and Bridges on<br>Federal Highway Projects<br>FP-03 Specifications and Supplemental Specifications |   |             |
|---|---|-------------|
| SPEC. NO.   | TITLE   | REV. DATE   |
|   | <b>Preface</b>  | 03-15-04    |
| <b>DIVISION 100 GENERAL REQUIREMENTS</b>  |   |             |
| <b>101</b>  | <b>Terms, Fornat, and Definitions</b>                   | <b>2003</b> |
| 101.01  | Meaning of Terms  | 01-22-09    |
| 101.03  | Abbreviations   | 06-16-06    |
| 101.04  | Definitions   | 03-29-07    |
| <b>102</b>  | <b>Bid, Award, and Execution of Contract</b>            | <b>2003</b> |
| 102   | Bid, Award, and Execution of Contract (Delete)          | 02-16-05    |
| <b>103</b>  | <b>Scope of Work</b>                                    | <b>2003</b> |
|   | Deletions   | 02-16-05    |
| <b>104</b>  | <b>Control of Work</b>                                  | <b>2003</b> |
|   | Deletions   | 06-16-06    |
| 104.06  | Use of Roads by Contractor                              | 02-17-05    |
| <b>105</b>  | <b>Control of Material</b>                              | <b>2003</b> |
| 105.02(a)   | Government-provided sources                             | 01-18-07    |
| 105.05  | Use of Materials Found in the Work                      | 05-12-04    |
| <b>106</b>  | <b>Acceptance of Work</b>                               | <b>2003</b> |
| 106.01  | Conformity with Contract Requirements                   | 07-31-07    |
| 106.07  | Delete  | 05-11-04    |
| <b>107</b>  | <b>Legal Relations and Responsibility to the Public</b> | <b>2003</b> |
| 107.05  | Responsibility for Damage Claims                        | 05-11-04    |
| 107.06  | Contractor's Responsibility for Work                    | 06-16-06    |
| 107.09  | Legal Relationship of the Parties                       | 06-16-06    |
| 107.10  | Envirionmental Protection                               | 06-16-06    |
| <b>108</b>  | <b>Prosecution and Progress</b>                         | <b>2003</b> |
|   | Delete  | 02-16-05    |
| <b>109</b>  | <b>Measurement and Payment</b>                          | <b>2003</b> |
| 109   | Deletions   | 02-17-05    |
| 109.02  | Measurement Terms and Definitions                       | 06-16-06    |
| <b>DIVISON 150 PROJECT REQUIREMENTS</b>   |   |             |
| <b>151</b>  | <b>Mobilization</b>                                     | <b>2003</b> |
| <b>153</b>  | <b>Contractor Quality Control</b>                       | <b>2003</b> |
| 153.04  | Records   | 10-24-07    |
| <b>155</b>  | <b>Schedules for Construction Contracts</b>             | <b>2003</b> |
| 155   | Delete  | 05-11-04    |

| SPEC. NO.                                   | TITLE   | REV. DATE       |
|---|---|-----------------|
| <b>156</b>                                  | <b>Public Traffic</b>                         | <b>04-17-07</b> |
| <b>157</b>                                  | <b>Soil Erosion Control</b>                   | <b>2003</b>     |
| 157.03                                      | General                                       | 02-24-05        |
| <b>170</b>                                  | <b>Develop Water Supply and Watering</b>      | <b>03-30-05</b> |
| <b>171</b>                                  | <b>Weed and Disease Prevention</b>            | <b>03-30-05</b> |
| <b>DIVISION 200 EARTHWORK</b>               |   |                 |
| <b>201</b>                                  | <b>Clearing and Grubbing</b>                  | <b>2003</b>     |
| 201.01                                      | Description                                   | 02-18-05        |
| 201.01                                      | Clearing. (c)                                 | 02-22-05        |
| <b>203</b>                                  | <b>Removal of Structures and Obstructions</b> | <b>2003</b>     |
| 203.01                                      | Description                                   | 02-25-05        |
| 203.04                                      | Removing Material                             | 02-18-05        |
| 203.05                                      | Disposing of Material                         | 02-18-05        |
| <b>204</b>                                  | <b>Excavation and Embankment</b>              | <b>03-26-09</b> |
| <b>209</b>                                  | <b>Structure Excavation and Backfill</b>      | <b>2003</b>     |
| 209.10                                      | Backfill                                      | 10-23-07        |
| 209.11                                      | Compacting                                    | 02-24-05        |
| Table 209-1                                 | Sampling and Testing Requirements             |                 |
| <b>251</b>                                  | <b>Riprap</b>                                 | <b>2003</b>     |
| 251.03                                      | General                                       | 08-05-09        |
| <b>DIVISION 300 AGGREGATE COURSES</b>       |   |                 |
| <b>324</b>                                  | <b>Minor Aggregate, Commercial Source</b>     | <b>08-28-08</b> |
| <b>DIVISION 600 INCIDENTAL CONSTRUCTION</b> |   |                 |
| <b>602</b>                                  | <b>Culverts and Drains</b>                    | <b>2003</b>     |
| 602.03                                      | General                                       | 09-06-05        |
| <b>DIVISION 700 MATERIAL</b>                |   |                 |
| <b>703</b>                                  | <b>Aggregate</b>                              | <b>2003</b>     |
| <b>705</b>                                  | <b>Rock</b>                                   | <b>2003</b>     |
| 703.02                                      | Riprap Rock                                   |                 |
| <b>718</b>                                  | <b>Traffic Signing and Marking Material</b>   | <b>2003</b>     |
| 718.05                                      | Aluminum Panels                               | 08-05-09        |
|   |   |                 |